

# MILLER CONSTRUCTION, INC.

P.O. BOX 86 ASCUTNEY BLVD WINDSOR, VERMONT 05089-0086

TELEPHONE (802) 674-5525 / FAX (802) 674-5245

## TRANSMITTAL

TO: Kristin Higgins Vermont Agency of Transportation	DATE	PROJECT NO.
	8/12/2013	Jamaica ER-BRF 015-1 (23)

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WE ENCLOSE THE FOLLOWING:

UNDER SEPARATE COVER WE ARE SENDING THE FOLLOWING

COPIES	NUMBER	DESCRIPTION	CODE
1		Box Culvert Mix Design	H

### CODE:

A FOR INITIAL APPROVAL

B FOR FINAL APPROVAL

C APPROVED AS NOTED-RESUBMISSION REQUIRED

D APPROVED AS NOTED-RESUBMISSION NOT REQUIRED

E DISAPPROVED-RESUBMIT

F QUOTATION REQUESTED

G APPROVED

H FOR APPROVAL

I AS REQUESTED OR REQUIRED

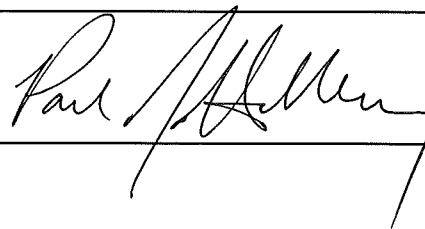
J FOR USE IN ERECTION

K LETTER FOLLOWS

L FOR FIELD CHECK

M FOR YOUR USE

BY:



seeMIX III Mix Report  
 1953CAD-5000 PSI 30% F/A W/DCI [0]  
 Strength Compressive: DOT Mix  
 08/12/2013

Customer : BAZIN BROTHERS	Contractor : BAZIN BROTHERS
Project : M3745 - FIRE DRIVE, JAMAICA, VT VAOT #ER-BRF015-1(23)	

Class :	DOT Mix	Source of Concrete : MICHIE CORPORATION
Aggregate size :	3/4" -- 19 mm	Construction type : PRECAST
Air :	5.0 to 9.0 %	Placement : Mixer Truck
Water/Cement ratio :	0.320	Unit Weight : 141.17 pcf
Slump :	22.00 to 28.00 in	Design Date : 06/27/2013

Constituents :	Quantity	Density	Volume
Cement Dragon Type III (Dragon Products)	490 lb	3.150	2.49
Mineral Additive FLY-ASH (Headwaters Resources)	210 lb	2.260	1.49
Water WATER (Michie Corporation)	208 lb	1.000	3.33
Coarse Aggregate #67 3/4" STONE (Michie Corporation)	1630 lb	2.710	9.64
Fine Aggregate WASHED SAND (Michie Corporation)	1225 lb	2.640	7.44
Admixture DAREX-II (W.R. Grace Chemicals)	3.75 floz (US)/yd <sup>3</sup>		0.00
Admixture DCI- CORROSION INHIBITER (W.R. Grace Chemicals)	4.00 gal (US)/yd <sup>3</sup>	1.300	0.53
Admixture EXP-684 (W.R. Grace Chemicals)	245.00 floz (US)/yd <sup>3</sup>	1.030	0.26
Air	7.0 %.		1.89
Total :	3823		27.08

Remarks :  
 ADMIXTURES TO BE ADJUSTED AS NECESSARY

Reported by : Rusty Kehr	Approval by : _____
Date : 04/03/2013	Date : / /